

Studio 5000 Logix Designer Level 4: Structured Text/Sequential Function Chart Programming

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: CCP154

COURSE MODULES & TOPICS

Objectives

- Program assignments, expressions, and instructions in structured text
- Program constructs and comments in structured text
- Design a sequential function chart
- Program and test a sequential function chart
- Store, pause, and reset sequential function chart data

Prerequisites

- Ability to perform basic Microsoft Windows tasks
- Completion of the Studio 5000 Logix Designer Level3: Project Development course (CCP143)
- Experience with basic Logix Designer projects (navigating the software, creating tags, creating routines, etc.)

Student Materials

- Student Manual contains the topical outlines and exercises and is used to follow presentations, take notes, and work through exercises
- Studio 5000 Logix Designer and Logix5000 Procedures Guide provides the steps required to complete basic software tasks that are common to all Logix5000 hardware platforms

Next Level Learning

- Studio 5000 Logix Designer Level 4: Function Block Programming course (CCP152)

Course Agenda

Day 1

- Programming Assignments, Expressions and Instructions in Structured Text within a Logix Designer Project
- Programming Constructs and Comments in Structured Text within a Logix Designer Project
- Designing a Sequential Function Chart

Day 2

- Programming a Sequential Function Chart in a Logix Designer Project
- Testing a Sequential Function Chart in a Logix Designer Project
- Storing and Resetting Sequential Function Chart Data in a Logix Designer Project
- Resetting and Pausing a Sequential Function Chart in a Logix Designer Project